

Executive Summary Report

SMOG CHECK Statewide

First Quarter 2009

1. Testing Volume

	All Tests	Failed	Percent (%) Failed
Initial Test	2,577,338	331,740	12.87%
Total	2,994,514	426,499	14.24%

2. Certification Volume

	Certificates Issued	Percent (%) Certificates Issued	No Certificates Issued	Percent (%) No Certificates Issued
Initial Test	2,205,794	85.58%	371,544	14.42%
Total	2,513,717	83.94%	480,797	16.06%

2a. Certification Volume (Test Only)

	Certificates Issued	Percent (%) Certificates Issued	No Certificates Issued	Percent (%) No Certificates Issued
Initial Test	1,349,191	85.71%	224,925	14.29%
Total	1,547,173	84.78%	277,793	15.22%

3. Initial Test Failures by Failure Type

	Failed	Percent (%) Failed
Gross Polluters	49,853	1.93%
All Emissions	164,040	6.36%
All Visual	39,648	1.54%
All Functional	107,054	4.15%
OBDII	122,613	4.76%
Overall	331,740	12.87%

4. Initial Test Failures by Program Area

Program Areas	Initial Tests	Failed	Percent (%) Failed	Gross Polluters	Percent (%) Gross Polluters
Enhanced	2,071,015	269,732	13.02%	39,775	1.92%
Partially Enhanced	129,764	19,482	15.01%	2,939	2.26%
Basic	230,429	27,339	11.86%	4,588	1.99%
Change of Ownership	16,379	2,486	15.18%	628	3.83%
No Program	15	2	13.33%	1	6.67%
Unknown Program	129,736	12,699	9.79%	1,922	1.48%
Total Program Area	2,577,338	331,740	12.87%	49,853	1.93%

5. Initial Test Failures by Station Type

Station Types	Initial Tests	Failed	Percent (%) Failed	Gross Polluters	Percent (%) Gross Polluters
Test Only	1,574,116	220,584	14.01%	34,987	2.22%
Regular	749,244	70,532	9.41%	8,768	1.17%
Basic Area Dealer	13,372	699	5.23%	70	0.52%
Gold Shield in Enhanced Area	190,776	32,275	16.92%	4,553	2.39%
Gold Shield in Basic Area	19,794	3,435	17.35%	642	3.24%
Gold Shield in COO Area	13,328	1,832	13.75%	457	3.43%
Business Fleet	55	3	5.45%	0	0.00%
Permanent Fleet Registered	141	21	14.89%	3	2.13%
Referee	2,433	1,233	50.68%	284	11.67%
Government Fleet	14,072	1,126	8.00%	89	0.63%
Unknown Privilege	6	0	0.00%	0	0.00%
Total	2,577,338	331,740	12.87%	49,853	1.93%

5.a. Initial Tests at Test-Only Stations

	Initial Tests	Certificates Issued
Volunteers	813,593	727,140
Directed Vehicles	760,523	622,051
Total	1,574,116	1,349,191

5.b. Initial Tests at Gold Shield Stations

	Initial Tests	Certificates Issued
Volunteers	163,789	139,151
Directed Vehicles	60,110	45,075
Total	223,899	184,226

6. Initial Tests by Vehicle Model Year

Model Year	Initial Tests	Failed Overall	Percent (%) Failed Overall	Percent (%) Failed Emissions	Percent (%) Failed Gross Polluters	Percent (%) Failed Functional	Percent (%) Failed Visual	Percent (%) Failed OBDII
MY-0	15	0	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
MY-1934	1	0	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
MY-1947	1	0	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
MY-1960	3	0	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
MY-1964	2	2	100.00%	100.00%	100.00%	0.00%	0.00%	0.00%
MY-1965	4	3	75.00%	75.00%	75.00%	0.00%	0.00%	0.00%
MY-1966	1	0	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
MY-1968	1	0	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
MY-1972	1	0	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
MY-1973	3	3	100.00%	66.67%	33.33%	66.67%	66.67%	0.00%
MY-1974	12	5	41.67%	25.00%	8.33%	25.00%	8.33%	0.00%
MY-1975	24	1	4.17%	4.17%	0.00%	0.00%	0.00%	0.00%
MY-1976	3,908	1,169	29.91%	19.83%	8.96%	17.99%	8.50%	0.00%
MY-1977	5,402	1,573	29.12%	17.51%	8.55%	19.47%	8.61%	0.00%
MY-1978	6,180	1,896	30.68%	18.67%	9.32%	19.82%	9.27%	0.00%
MY-1979	7,107	2,229	31.36%	19.88%	9.03%	20.25%	8.96%	0.00%
MY-1980	4,312	1,264	29.31%	19.85%	10.23%	18.48%	8.81%	0.00%
MY-1981	4,897	1,484	30.30%	22.81%	10.82%	17.64%	9.13%	0.00%
MY-1982	5,627	1,687	29.98%	22.45%	9.95%	16.49%	8.76%	0.00%
MY-1983	7,575	2,301	30.38%	23.06%	10.83%	17.04%	8.01%	0.00%
MY-1984	14,113	4,358	30.88%	23.91%	11.80%	17.54%	7.96%	0.00%
MY-1985	19,254	5,772	29.98%	22.72%	11.02%	17.32%	6.92%	0.00%
MY-1986	26,586	7,502	28.22%	20.84%	9.64%	16.09%	6.13%	0.00%
MY-1987	32,256	9,314	28.88%	22.02%	9.15%	15.71%	5.50%	0.00%
MY-1988	39,493	10,354	26.22%	19.29%	7.42%	14.41%	4.72%	0.00%
MY-1989	53,450	12,867	24.07%	17.27%	6.54%	13.74%	4.04%	0.00%
MY-1990	64,727	14,830	22.91%	16.44%	5.91%	12.41%	3.28%	0.00%
MY-1991	73,937	16,045	21.70%	15.51%	5.04%	11.80%	2.84%	0.00%
MY-1992	75,626	15,663	20.71%	14.83%	4.97%	10.57%	2.74%	0.00%
MY-1993	88,520	20,189	22.81%	17.17%	4.30%	10.64%	2.70%	0.00%
MY-1994	106,335	21,396	20.12%	13.52%	3.14%	10.40%	2.51%	0.00%
MY-1995	144,755	23,707	16.38%	11.09%	2.50%	7.88%	2.07%	0.00%
MY-1996	107,791	21,024	19.50%	8.22%	1.42%	2.02%	1.55%	13.44%
MY-1997	179,731	25,954	14.44%	5.44%	0.95%	1.48%	1.10%	10.12%
MY-1998	146,349	19,482	13.31%	4.20%	0.81%	1.17%	0.98%	9.97%
MY-1999	239,515	21,124	8.82%	2.08%	0.40%	0.71%	0.68%	6.91%
MY-2000	158,572	17,236	10.87%	2.14%	0.53%	0.88%	0.77%	9.00%
MY-2001	325,150	22,023	6.77%	0.79%	0.19%	0.57%	0.46%	5.87%
MY-2002	134,409	10,837	8.06%	0.93%	0.24%	0.64%	0.57%	7.09%
MY-2003	346,623	13,845	3.99%	0.34%	0.10%	0.35%	0.28%	3.46%
MY-2004	43,592	1,621	3.72%	0.36%	0.10%	0.33%	0.23%	3.17%
MY-2005	57,132	1,786	3.13%	0.18%	0.06%	0.23%	0.17%	2.75%
MY-2006	20,701	583	2.82%	0.19%	0.06%	0.20%	0.21%	2.37%
MY-2007	14,768	356	2.41%	0.13%	0.02%	0.14%	0.16%	2.09%
MY-2008	15,762	181	1.15%	0.11%	0.08%	0.16%	0.12%	0.84%
MY-2009	3,095	73	2.36%	0.94%	0.90%	0.19%	0.16%	1.20%
MY-2010	19	0	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
MY-2011	1	1	100.00%	0.00%	0.00%	0.00%	0.00%	100.00%
All Model Years	2,577,338	331,740	12.87%	6.36%	1.93%	4.15%	1.54%	4.76%

7. Referee Activity

	Certificates Issued
Certificate of Compliance	1,896
Certificate of Non Compliance	1
Parts Cost	362
Hardship Extensions	1,013
Exempt Vehicle	237
Exempted by Directive	420
Parts Exemption	32
Unknown Outcome	0
Permanently Exempt Vehicle	0
Temporarily Exempt Vehicle	0
	3,961

8. Active Stations

	Station Count
Licensed Stations that did not Conduct a Test	1,043
Stations Locked-Out at Least Once	371
Stations Conducted at Least One Test	7,320

9. Active Technicians

License Type	Endorsement	Technician Count	Daily Average
EA	Both Endorsement	10,471	6,011
EA	Gas Endorsement	10	0
EB	Both Endorsement	55	0
EB	Gas Endorsement	537	0
GU	Both Endorsement	20	0

10. Inspection Costs

	ASM Initial Test Count	Avg ASM Inspection Cost	TSI Initial Test Count	Avg TSI Inspection Cost	Total Initial Tests	Overall Average Inspection Cost
Test Only	1,348,380	49.16	162,878	50.21	1,511,258	49.27
Test and Repair	479,136	47.10	246,699	47.15	725,835	47.12
Test and Repair Dealer	83	65.45	13,191	49.85	13,274	49.95
Referee	1,054	30.00	480	30.00	1,534	30.00
Gold Shield in Enhanced Area	147,053	48.96	39,127	46.47	186,180	48.44
Gold Shield in Basic Area	1	73.00	19,510	39.99	19,511	39.99
Gold Shield in COO Area	120	45.13	13,114	50.41	13,234	50.36

11. Repair Costs

Repair Type	All Cost Ranges	Repair Count	Average Cost	(All Cost Ranges) Repair Count	(All Cost Ranges) Average Cost
Regular Repairs	\$0-50	23,305	22.04	75,147	214.47
	\$51-150	18,895	99.80		
	\$151-250	11,386	199.39		
	\$251-450	12,551	337.31		
	Over \$450	9,010	800.61		
CAP Repairs	\$0-50	436	23.48	14,797	395.00
	\$51-150	785	107.13		
	\$151-250	1,573	206.26		
	\$251-450	5,068	354.60		
	Over \$450	6,935	523.28		
Total Repairs	\$0-50	19,336	22.25	78,309	280.45
	\$51-150	15,149	99.57		
	\$151-250	11,367	200.78		
	\$251-450	15,870	344.20		
	Over \$450	16,587	740.22		

12. CAP Repair Costs

	Total Vehicles	Average Repair Cost
CAP Repairs	13,870	395.00

13. Drill-Through

	Program Areas	Station Types	Certificates Issued	Total Failed	Gross Polluters	Tampered	All OBD-II Failed	All Emission Failed	All Functional Failed	All Visual Failed
Acceleration Simulation Mode (ASM)	Basic	Gold Shield in Enhanced Area	30	8	2	0	2	6	2	0
Acceleration Simulation Mode (ASM)	Basic	Referee	1	2	0	0	0	2	1	0

	Program Areas	Station Types	Certificates Issued	Total Failed	Gross Polluters	Tampered	All OBD-II Failed	All Emission Failed	All Functional Failed	All Visual Failed
Acceleration Simulation Mode (ASM)	Basic	Test and Repair	150	19	4	0	6	9	6	1
Acceleration Simulation Mode (ASM)	Basic	Test Only	112	17	2	1	7	8	7	1
Acceleration Simulation Mode (ASM)	Change of Ownership	Test and Repair	12	3	0	1	0	3	0	1
Acceleration Simulation Mode (ASM)	Change of Ownership	Test Only	27	3	2	0	0	2	3	1
Acceleration Simulation Mode (ASM)	Enhanced	Gold Shield in COO Area	87	24	2	6	12	7	5	7
Acceleration Simulation Mode (ASM)	Enhanced	Gold Shield in Enhanced Area	106,564	23,376	3,132	1,175	8,489	11,737	7,496	2,951
Acceleration Simulation Mode (ASM)	Enhanced	Government Fleet	0	352	12	3	212	100	50	6
Acceleration Simulation Mode (ASM)	Enhanced	Permanent Fleet Registered	22	7	1	0	2	3	2	0
Acceleration Simulation Mode (ASM)	Enhanced	Referee	634	757	157	309	160	385	287	420
Acceleration Simulation Mode (ASM)	Enhanced	Test and Repair	346,323	34,333	3,436	1,709	18,882	12,564	8,214	3,446
Acceleration Simulation Mode (ASM)	Enhanced	Test Only	1,126,034	194,293	30,852	10,871	63,072	108,342	64,941	23,195
Acceleration Simulation Mode (ASM)	No Program	Test Only	7	2	1	0	0	2	1	1
Acceleration Simulation Mode (ASM)	Partial	Gold Shield in Enhanced Area	11,043	2,822	454	150	998	1,445	934	353
Acceleration Simulation Mode (ASM)	Partial	Government Fleet	0	5	1	0	4	1	0	0
Acceleration Simulation Mode (ASM)	Partial	Referee	38	54	9	30	6	26	20	37
Acceleration Simulation Mode (ASM)	Partial	Test and Repair	52,610	9,484	1,383	469	3,003	4,947	3,314	1,140
Acceleration Simulation Mode (ASM)	Partial	Test and Repair Dealer	36	9	0	1	3	5	1	2
Acceleration Simulation Mode (ASM)	Partial	Test Only	32,934	5,957	910	349	1,904	3,224	1,970	747
Acceleration Simulation Mode (ASM)	Unknown Program	Gold Shield in Enhanced Area	4,655	906	132	69	371	467	266	136
Acceleration Simulation Mode (ASM)	Unknown Program	Government Fleet	0	653	57	1	141	461	86	1

	Program Areas	Station Types	Certificates Issued	Total Failed	Gross Polluters	Tampered	All OBD-II Failed	All Emission Failed	All Functional Failed	All Visual Failed
Acceleration Simulation Mode (ASM)	Unknown Program	Referee	118	74	21	30	16	44	28	43
Acceleration Simulation Mode (ASM)	Unknown Program	Test and Repair	35,459	3,352	437	209	1,564	1,513	869	391
Acceleration Simulation Mode (ASM)	Unknown Program	Test and Repair Dealer	7	1	0	0	0	1	0	0
Acceleration Simulation Mode (ASM)	Unknown Program	Test Only	34,635	5,106	859	355	2,121	2,678	1,451	717
Two Speed Idle (TSI)	Basic	Gold Shield in Basic Area	14,353	3,130	595	210	968	1,182	1,354	431
Two Speed Idle (TSI)	Basic	Gold Shield in COO Area	1,413	216	46	16	64	82	96	28
Two Speed Idle (TSI)	Basic	Gold Shield in Enhanced Area	15,867	2,868	460	195	1,012	918	1,196	562
Two Speed Idle (TSI)	Basic	Government Fleet	0	17	3	0	9	6	2	0
Two Speed Idle (TSI)	Basic	Referee	109	158	37	77	33	64	61	105
Two Speed Idle (TSI)	Basic	Test and Repair	133,881	16,864	2,673	869	5,828	5,635	7,101	1,910
Two Speed Idle (TSI)	Basic	Test and Repair Dealer	9,643	584	67	34	220	148	224	84
Two Speed Idle (TSI)	Basic	Test Only	22,309	3,456	699	189	1,304	1,358	1,166	421
Two Speed Idle (TSI)	Change of Ownership	Gold Shield in Basic Area	153	35	9	2	8	15	16	7
Two Speed Idle (TSI)	Change of Ownership	Gold Shield in COO Area	5,417	1,143	315	63	273	578	472	134
Two Speed Idle (TSI)	Change of Ownership	Gold Shield in Enhanced Area	696	165	38	19	43	66	85	36
Two Speed Idle (TSI)	Change of Ownership	Referee	15	21	5	8	5	9	8	10
Two Speed Idle (TSI)	Change of Ownership	Test and Repair	4,716	646	142	38	242	257	240	74
Two Speed Idle (TSI)	Change of Ownership	Test Only	2,515	461	117	38	117	229	179	72
Two Speed Idle (TSI)	Enhanced	Gold Shield in Basic Area	882	114	11	10	78	20	17	15
Two Speed Idle (TSI)	Enhanced	Gold Shield in COO Area	1,467	104	14	8	58	27	25	12
Two Speed Idle (TSI)	Enhanced	Gold Shield in Enhanced Area	14,845	1,754	275	92	891	498	530	223
Two Speed Idle (TSI)	Enhanced	Government Fleet	0	66	13	0	33	23	12	0
Two Speed Idle (TSI)	Enhanced	Permanent Fleet Registered	31	11	2	1	1	4	3	8
Two Speed Idle (TSI)	Enhanced	Referee	140	110	22	52	43	34	16	64
Two Speed Idle (TSI)	Enhanced	Test and Repair	64,247	3,987	432	205	2,465	878	907	389
Two Speed Idle (TSI)	Enhanced	Test and Repair Dealer	1,175	55	3	0	47	4	11	3
Two Speed Idle (TSI)	Enhanced	Test Only	118,570	10,382	1,411	455	5,980	2,874	2,280	938

	Program Areas	Station Types	Certificates Issued	Total Failed	Gross Polluters	Tampered	All OBD-II Failed	All Emission Failed	All Functional Failed	All Visual Failed
Two Speed Idle (TSI)	Partial	Gold Shield in Basic Area	125	16	2	3	9	4	3	3
Two Speed Idle (TSI)	Partial	Gold Shield in COO Area	152	15	2	1	5	4	7	2
Two Speed Idle (TSI)	Partial	Gold Shield in Enhanced Area	1,203	149	32	7	74	51	36	15
Two Speed Idle (TSI)	Partial	Referee	5	2	1	1	1	2	1	2
Two Speed Idle (TSI)	Partial	Test and Repair	6,206	657	99	36	312	201	208	90
Two Speed Idle (TSI)	Partial	Test and Repair Dealer	144	10	0	0	6	2	3	0
Two Speed Idle (TSI)	Partial	Test Only	3,116	299	46	15	158	84	79	31
Two Speed Idle (TSI)	Unknown Program	Gold Shield in Basic Area	644	140	25	24	52	40	62	36
Two Speed Idle (TSI)	Unknown Program	Gold Shield in COO Area	2,740	329	78	32	119	140	124	64
Two Speed Idle (TSI)	Unknown Program	Gold Shield in Enhanced Area	1,875	226	28	21	105	71	75	42
Two Speed Idle (TSI)	Unknown Program	Government Fleet	0	30	3	0	16	7	8	0
Two Speed Idle (TSI)	Unknown Program	Referee	150	52	32	14	4	39	14	20
Two Speed Idle (TSI)	Unknown Program	Test and Repair	15,049	1,187	162	78	673	318	332	145
Two Speed Idle (TSI)	Unknown Program	Test and Repair Dealer	1,149	32	0	3	21	2	8	6
Two Speed Idle (TSI)	Unknown Program	Test Only	8,932	608	88	34	346	182	136	63
UnKnown TestType	Enhanced	Referee	24	2	0	0	0	2	0	2